Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/24/2022 10:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123055	-2	5.55	122988	5.66
Blue	F	SSC	125000	121874	-3	5.95	122674	6.13
Blue	E	FITC	13602	13065	-4	6.00	365	15.82
Blue	D	PE	24891	24036	-4	6.01	570	12.76
Blue	B	PerCP-Cy5-5	33972	33236	-3	6.54	953	17.07
Blue	A	PE-Cy7	22865	22372	-3	8.63	462	34.29
Red	C	APC	47198	46213	-3	5.29	1600	13.15
Red	A	APC-Cy7	26454	25461	-4	6.21	718	14.27
Violet	B	V450	6737	6351	-6	6.91 (1)	445	13.76
Violet	A	V500	29317	28216	-4	6.71	966	10.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23012	6.16	574	39	N/A	N/A	Pass
Blue	F	SSC	53332	5.99	527	6	N/A	N/A	Pass
Blue	E	FITC	53	60.11	496	12	0.0343	140	Pass
Blue	D	PE	109	42.92	499	13	0.3227	297	Pass
Blue	B	PerCP-Cy5-5	145	46.97	596	17	0.0169	112	Pass
Blue	A	PE-Cy7	73	93.03	643	22	0.0187	10	Pass
Red	C	APC	327	28.53	583	11	0.0234	155	Pass
Red	A	APC-Cy7	132	40.18	562	11	0.0057	2062	Pass
Violet	B	V450	74	53.54	456	6	0.0467	2479	Pass
Violet	A	V500	112	36.72	477	8	0.0213	1287	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.45	-31.14	1.03
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.29	13.90 - 20.86	N/A	N/A	29.61	29.93	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9633

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments